

Art Unit: 2809

**DETAILED ACTION****EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeff Sopko on August 22, 2007. The application has been amended as follows:

In claim 9 (currently amended) delete "is likely to react" from line 16 and replace with "reacts."

9/28/07 Cb In claim 1 (currently amended), delete "(1)" from line <sup>1</sup>~~3~~, delete "(2)" and "(6)" and  
 9/28/07 Cb "(6)" from line <sup>2</sup>~~8~~, delete "(2)" and "(26)" from line <sup>3</sup>~~7~~, delete "(24)" and "(6)" from line <sup>4</sup>~~8~~,  
 9/28/07 Cb delete "(2)" and "(1)" and "(6)" from line <sup>5</sup>~~9~~, delete "(2)" and "(26)" and "(28)" from line <sup>6</sup>~~10~~,  
 9/28/07 Cb delete "(28)" from line <sup>10</sup>~~14~~.

9/28/07 Cb In claim 7 (currently amended), delete "(1)" from line <sup>1</sup>~~10~~, delete "(2)" and "(6)"  
 9/28/07 Cb from line <sup>2</sup>~~20~~, delete "(6)" and "(2)" from line <sup>3</sup>~~21~~, delete "(26)" and "(24)" from line <sup>4</sup>~~22~~,  
 9/28/07 Cb delete "(6)" and "(2)" and "(1)" and "(6)" from line <sup>5</sup>~~23~~, delete "(2)" and "(26)" and "(28)"  
 9/28/07 Cb from line <sup>6</sup>~~24~~, delete "(28)" and "(29)" from line <sup>8</sup>~~26~~.

In claim 8 (currently amended), delete "(1)" from line <sup>1</sup>~~1~~, delete "(6)" and "(22)" and  
 "(24)" from line 2, delete "(30,32)" from line 3, delete "(34)" and "(38)" from line 4.

9/28/07 Cb In claim 9 (currently amended), delete "(1)" from line <sup>1</sup>~~7~~, delete "(2)" and "(6)" from  
 9/28/07 Cb line <sup>2</sup>~~8~~, delete "(6)" and "(2)" from line <sup>3</sup>~~9~~, delete "(1)" and "(24)" and "(2,6)" from line <sup>4</sup>~~10~~.

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9/28/07 delete "(24)" from line <sup>5</sup>11, delete "(24)" from line <sup>6</sup>12, delete "(20,22)" from line <sup>7</sup>13, delete  
 9/28/07 "(26)" and "(6)" and "(2)" and "(1)" from line <sup>8</sup>14, delete "(24)" from line <sup>9</sup>15, delete "(28)"  
 9/28/07 and "(26)" from line 17, delete "(6)" and "(2)" and "(1)" from line <sup>12</sup>18.

9/28/07 In claim 10 (original), delete "(6)" and "(24)" from line <sup>2</sup>21.

9/28/07 In claim 11 (original), delete "(20,22)" and "(24)" from line <sup>3</sup>24.

In claim 12 (original), delete "(20,22)" and "(24)" from line 2.

9/28/07 In claim 14 (currently amended), delete "(26)" and "(24)" from line <sup>2</sup>9, and "(24)"  
 from line <sup>3</sup>10.

### **Allowable Subject Matter**

2. The following is an examiner's statement of reasons for allowance:

3. Claim 1 (currently amended) is allowable because the prior art does not teach or suggest wherein the first metallic material comprises a material selected from the group consisting of cast iron and steel, and wherein the second metallic material poured is a material selected from the group consisting of aluminum and aluminum alloys, with the bonding zone being composed of an iron-aluminum alloy.

4. Claim 7 (currently amended) is allowable because the prior art does not teach or suggest a bonding zone using an average thickness of between 10 mm and 5 mm.

5. Claim 9 (currently amended) is allowable because the prior art does not teach or suggest a stage of excess pouring the second metallic material in said groove over a determined period so as to cause heating of the first metallic material constituting said groove as well as washing the surfaces of this groove. Hiramatsu (Japanese patent JP